

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

FOR NPS USE ONLY
RECEIVED
DATE ENTERED

NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY -- NOMINATION FORM

SEE INSTRUCTIONS IN HOW TO COMPLETE NATIONAL REGISTER FORMS
TYPE ALL ENTRIES -- COMPLETE APPLICABLE SECTIONS

1 NAME

HISTORIC

Room 405, George Herbert Jones Laboratory, University of Chicago

AND/OR COMMON

the same

2 LOCATION

STREET & NUMBER

University of Chicago campus

___ NOT FOR PUBLICATION

CITY, TOWN

Chicago

CONGRESSIONAL DISTRICT

___ VICINITY OF

STATE

Illinois

CODE

COUNTY

Cook

CODE

3 CLASSIFICATION

CATEGORY	OWNERSHIP	STATUS	PRESENT USE	
<input type="checkbox"/> DISTRICT	<input type="checkbox"/> PUBLIC	<input checked="" type="checkbox"/> OCCUPIED	<input type="checkbox"/> AGRICULTURE	<input checked="" type="checkbox"/> MUSEUM
<input type="checkbox"/> BUILDING(S)	<input checked="" type="checkbox"/> PRIVATE	<input type="checkbox"/> UNOCCUPIED	<input type="checkbox"/> COMMERCIAL	<input type="checkbox"/> PARK
<input type="checkbox"/> STRUCTURE	<input type="checkbox"/> BOTH	<input type="checkbox"/> WORK IN PROGRESS	<input type="checkbox"/> EDUCATIONAL	<input type="checkbox"/> PRIVATE RESIDENCE
<input checked="" type="checkbox"/> SITE	<input type="checkbox"/> PUBLIC ACQUISITION	<input type="checkbox"/> ACCESSIBLE	<input type="checkbox"/> ENTERTAINMENT	<input type="checkbox"/> RELIGIOUS
<input type="checkbox"/> OBJECT	<input type="checkbox"/> IN PROCESS	<input checked="" type="checkbox"/> YES: RESTRICTED	<input type="checkbox"/> GOVERNMENT	<input type="checkbox"/> SCIENTIFIC
	<input type="checkbox"/> BEING CONSIDERED	<input type="checkbox"/> YES: UNRESTRICTED	<input type="checkbox"/> INDUSTRIAL	<input type="checkbox"/> TRANSPORTATION
		<input type="checkbox"/> NO	<input type="checkbox"/> MILITARY	<input type="checkbox"/> OTHER

4 OWNER OF PROPERTY

NAME

The University of Chicago

STREET & NUMBER

5801 Ellis Avenue

CITY, TOWN

Chicago

___ VICINITY OF

STATE

Illinois

5 LOCATION OF LEGAL DESCRIPTION

COURTHOUSE,
REGISTRY OF DEEDS, ETC

Cook County Recorder and Registrar of Titles

STREET & NUMBER

118 North Clark

CITY, TOWN

Chicago

STATE

Illinois

6 REPRESENTATION IN EXISTING SURVEYS

TITLE

none

DATE

___ FEDERAL ___ STATE ___ COUNTY ___ LOCAL

DEPOSITORY FOR
SURVEY RECORDS

CITY, TOWN

STATE

DESCRIPTION

CONDITION		CHECK ONE	CHECK ONE
<input type="checkbox"/> EXCELLENT	<input type="checkbox"/> DETERIORATED	<input type="checkbox"/> UNALTERED	<input checked="" type="checkbox"/> ORIGINAL SITE
<input type="checkbox"/> GOOD	<input type="checkbox"/> RUINS	<input checked="" type="checkbox"/> ALTERED	<input type="checkbox"/> MOVED DATE _____
<input checked="" type="checkbox"/> FAIR	<input type="checkbox"/> UNEXPOSED		

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

George Herbert Jones Chemical Laboratory is located on the northwest side of the main quadrangle of the University of Chicago campus. It is a 1929 structure, and as seen on the enclosed campus map, it is connected to Kent Hall on the east and Searle Hall on the north.

Room 405 is a small, approximately six by nine foot, pantry-like room, with shelves and counters along each wall. The room, which can be viewed through a glass door, is set up with laboratory equipment and looks virtually the same as it does in ca. 1942 photographs taken shortly after the historic experiments were completed there.

Room 405, which is located on the fourth floor, was undamaged by a 1973 explosion which destroyed the basement and first floor of the building.

SIGNIFICANCE

PERIOD	AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW			
<input type="checkbox"/> PREHISTORIC	<input type="checkbox"/> ARCHEOLOGY-PREHISTORIC	<input type="checkbox"/> COMMUNITY PLANNING	<input type="checkbox"/> LANDSCAPE ARCHITECTURE	<input type="checkbox"/> RELIGION
<input type="checkbox"/> 1400-1499	<input type="checkbox"/> ARCHEOLOGY-HISTORIC	<input type="checkbox"/> CONSERVATION	<input type="checkbox"/> LAW	<input checked="" type="checkbox"/> SCIENCE
<input type="checkbox"/> 1500-1599	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> ECONOMICS	<input type="checkbox"/> LITERATURE	<input type="checkbox"/> SCULPTURE
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> ARCHITECTURE	<input type="checkbox"/> EDUCATION	<input type="checkbox"/> MILITARY	<input type="checkbox"/> SOCIAL/HUMANITARIAN
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> ART	<input type="checkbox"/> ENGINEERING	<input type="checkbox"/> MUSIC	<input type="checkbox"/> THEATER
<input checked="" type="checkbox"/> 1800-1899	<input type="checkbox"/> COMMERCE	<input type="checkbox"/> EXPLORATION/SETTLEMENT	<input type="checkbox"/> PHILOSOPHY	<input type="checkbox"/> TRANSPORTATION
<input type="checkbox"/> 1900-	<input type="checkbox"/> COMMUNICATIONS	<input type="checkbox"/> INDUSTRY	<input type="checkbox"/> POLITICS/GOVERNMENT	<input type="checkbox"/> OTHER (SPECIFY)
		<input type="checkbox"/> INVENTION		

SPECIFIC DATES August 18, 1942
September 10, 1942

BUILDER/ARCHITECT

STATEMENT OF SIGNIFICANCE

In Room 405 of the George Herbert Jones Laboratory at the University of Chicago, a group of chemists working under the direction of Dr. Glenn T. Seaborg first isolated a pure compound of the man-made element plutonium. The sample, isolated on August 18, 1942, was the first synthetically produced isotope of any element seen by man. Less than a month later, on September 10, 1942, B. B. Cunningham and L. B. Werner prepared the first weighable sample of a synthetic element. This first isolation and weighing of plutonium was a milestone in the development of nuclear energy. The extraordinary importance of plutonium as a basic fuel for nuclear power reactors has opened for the benefit of mankind a whole new realm of science and technology.

MAJOR BIBLIOGRAPHICAL REFERENCES

GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY less than one acre

UTM REFERENCES

A	16	45,000,600	4,626,460	B			
	ZONE	EASTING	NORTHING		ZONE	EASTING	NORTHING
C				D			

VERBAL BOUNDARY DESCRIPTION

Room 405 alone is considered the national historic landmark site and the boundary is drawn immediately around the Jones Lab Building, on the west along the east curb of Ellis Avenue, on the south along a line between Jones and the Administration (University Press) building, on the east, along the wall of Jones separating it from the Kent Building, on the north by the wall of Jones separating it from Searle Building and running to the curb of Ellis Avenue.

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE	CODE	COUNTY	CODE
STATE	CODE	COUNTY	CODE

FORM PREPARED BY

NAME / TITLE

Blanche Higgins Schroer, Landmark Review Project: original report 1967

ORGANIZATION

National Park Service, Historic Sites Survey

DATE

April 3, 1976

STREET & NUMBER

1100 L Street NW.

TELEPHONE

CITY OR TOWN

Washington

STATE

D.C.

STATE HISTORIC PRESERVATION OFFICER CERTIFICATION

THE EVALUATED SIGNIFICANCE OF THIS PROPERTY WITHIN THE STATE IS:

NATIONAL

STATE

LOCAL

As the designated State Historic Preservation Officer for the National Historic Preservation Act of 1966 (Public Law 89-665), I hereby nominate this property for inclusion in the National Register and certify that it has been evaluated according to the criteria and procedures set forth by the National Park Service.

FEDERAL REPRESENTATIVE SIGNATURE

TITLE

DATE

FOR NPS USE ONLY

I HEREBY CERTIFY THAT THIS PROPERTY IS INCLUDED IN THE NATIONAL REGISTER

DATE

DIRECTOR, OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION

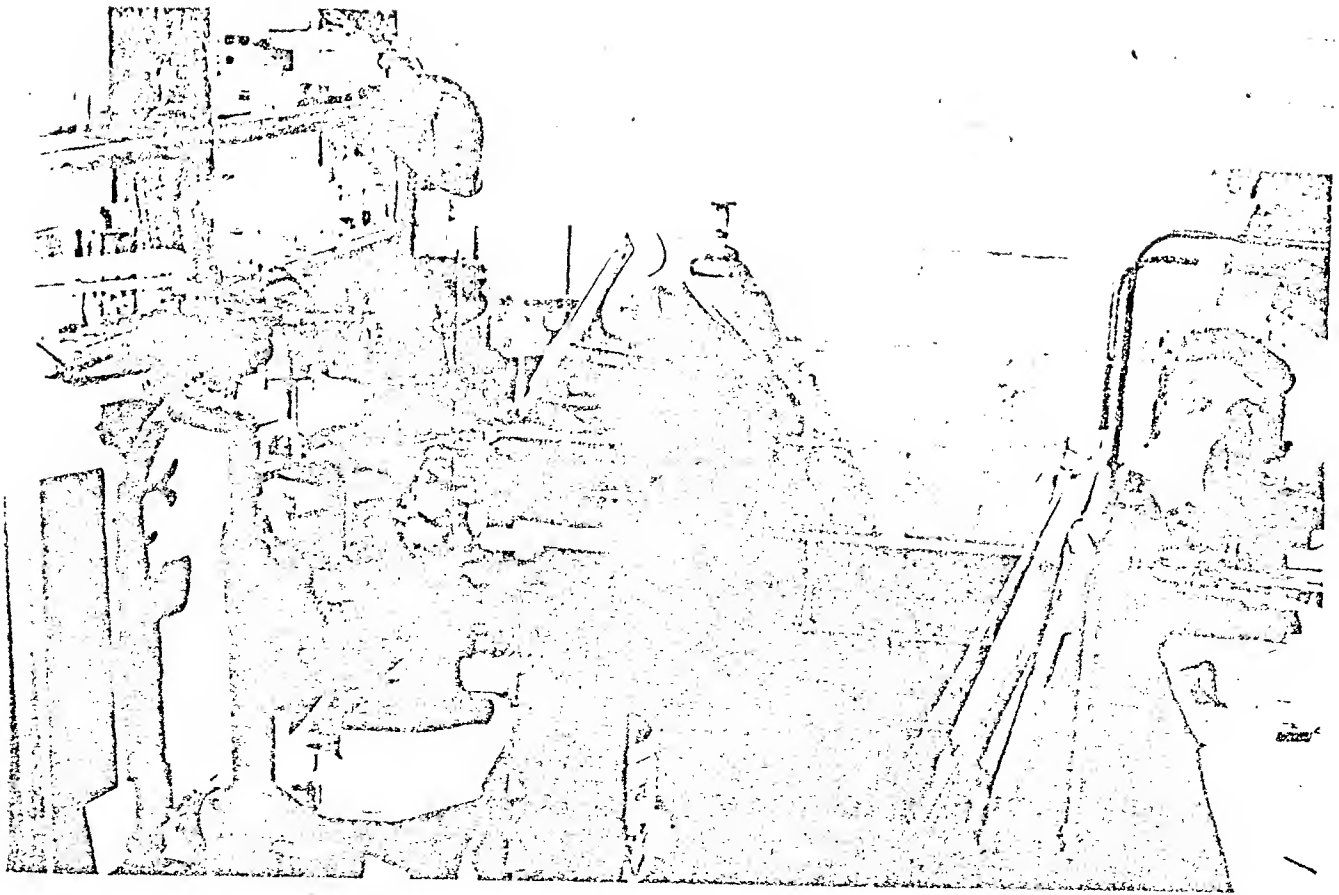
ATTEST:

DATE

KEEPER OF THE NATIONAL REGISTER

(NATIONAL HISTORIC
LANDMARKS)

NATIONAL HISTORIC LANDMARKS



Rm. 405, Jones Chem. Lab., U. Chicago, 8/20/42.

Form No. 10-301a
(Rev. 10-74)

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NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
PROPERTY PHOTOGRAPH FORM

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SEE INSTRUCTIONS IN *HOW TO COMPLETE NATIONAL REGISTER FORMS*
TYPE ALL ENTRIES -- ENCLOSE WITH PHOTOGRAPH

1 NAME

HISTORIC

Room 405, George Herbert Jones Laboratory, University

AND/OR COMMON

2 LOCATION

CITY, TOWN
Chicago

— VICINITY OF

COUNTY
Cook

STATE
Illinois

3 PHOTO REFERENCE

PHOTO CREDIT University of Chicago

DATE OF PHOTO ca. 1942

NEGATIVE FILED AT Office of Special Events

4 IDENTIFICATION

DESCRIBE VIEW, DIRECTION, ETC. IF DISTRICT, GIVE BUILDING NAME & STREET

PHOTO NO

view of lab from doorway

DATE ENTERED

SEE INSTRUCTIONS IN HOW TO COMPLETE. JNAL REGISTER FORMS
TYPE ALL ENTRIES -- ENCLOSE WITH MAP

NAME:

HISTORIC
Room 405, George Herbert Jones Laboratory, University of Chicago
AND/OR COMMON

LOCATION

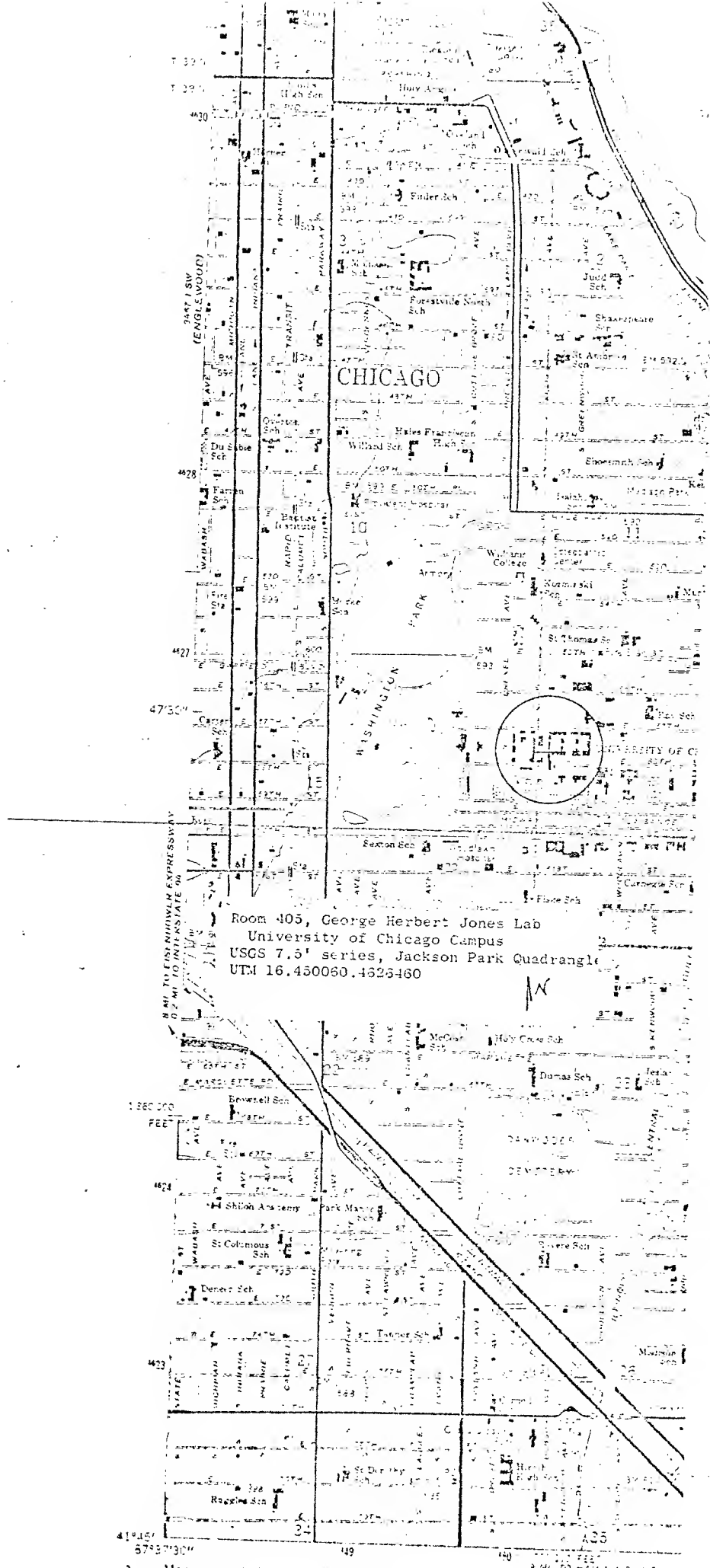
CITY/TOWN
Chicago
COUNTY
Cook
STATE
Illinois

MAP REFERENCE

SOURCE U.S.G.S. 7.5' series, Jackson Park Quadrangle

SCALE 1:24,000

DATE 1963, photorevised 1972



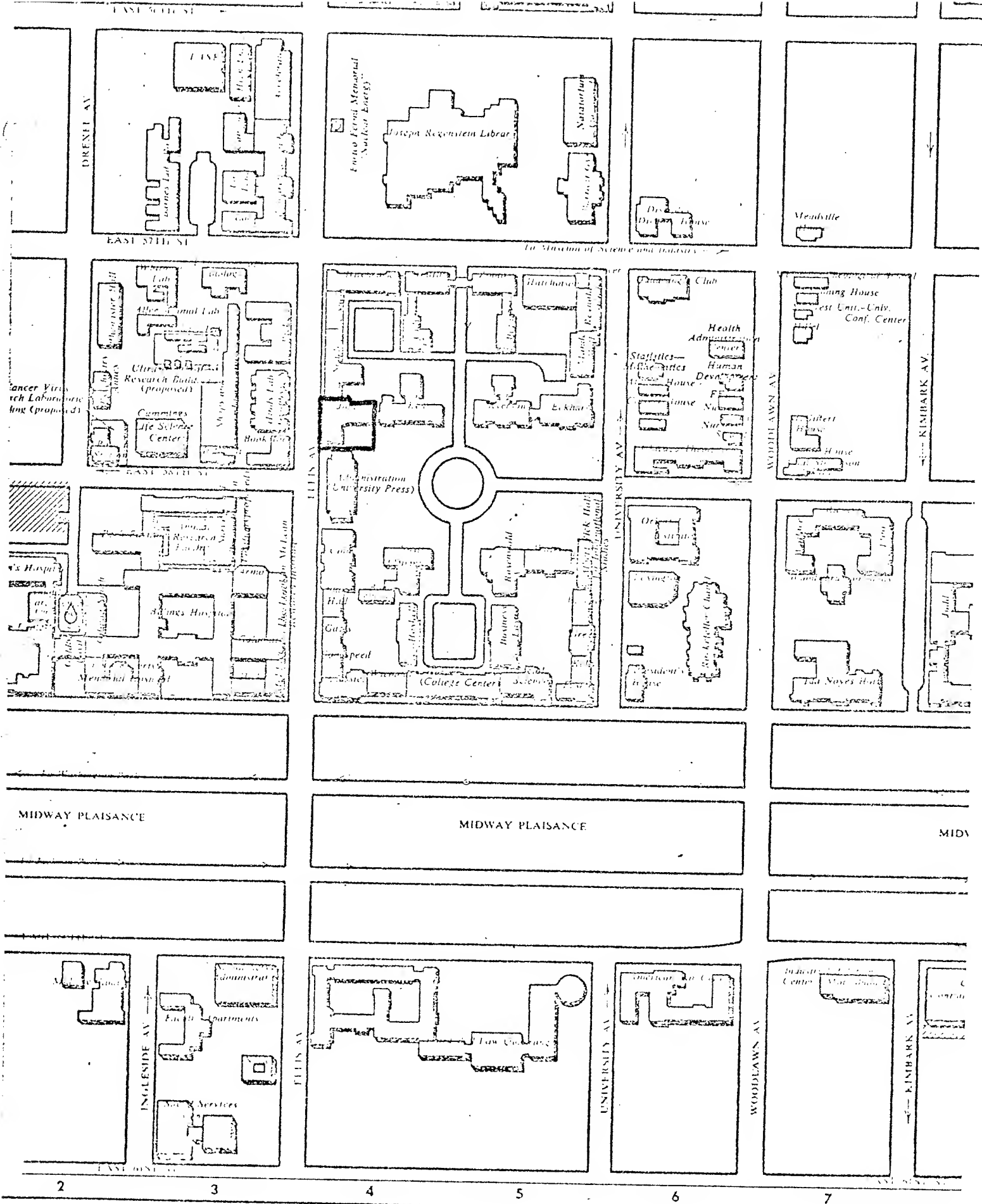
41°15' 57.930"

49

50

51

435



prayer and meditation

most plutonium use first isolated August 30, 1945

Neighbors

University of Chicago, 5801 S. Ellis Ave., Chicago, Ill. 60637